

### Dioxin Clean-Up Criteria at Superfund Sites

Project	ROD Date	Site	Medium	Site Location	Clean-up Levels in ug/kg (ppb)		Comments
					2,3,7,8-TCDD	Dioxin TEQ	
Love Canal	May-85	Niagara Falls, NY	Sediment	Black & Bergholtz Creeks		1	clean-up goal for basis of remedial action
Koppers OU1	Apr-98	Charleston, NC	Surface Soil/Sediment			1.5	0 to 6" bgs
			Subsurface Soil			20	6" bgs to water table
McCormick & Baxter	Mar-99	Stockton, CA	Soil (vadose zone)	Subareas X & Y		1	dry weight, organic carbon normalized
			Sediment	Old Mormon Slough		0.021	
Commencement Bay/Nearshore	Aug-03 <sup>1</sup>	Tacoma, WA	Surface Sediment	Olympic View Resource Area		0.02	SQC
			Surface Sediment			0.0074	site-specific background goal
Pownal Tannery	Sep-09 <sup>3</sup>	Pownal, VT	Soil	Site-wide		1	recreational use
Sonford Products - OU2	Sep-10	Flowood, MS	Soil	Onsite Op's Area		1	industrial zoning
			Hydric Sediment	Wooded Area		0.45	
			Surface Soil	Offsite Residential		0.078	
			Surface Water	Onsite Stream		0.01	
Anniston PCB Site - OU3	Sep-11	Anniston, AL	Groundwater			0.00003	
			Soil			-	value below calculated cancer risk range
Centerdale Manor Restoration	Sep-12	North Providence, RI	Sediment	Allendale Reach	0.015	0.034	
			Sediment	Lyman Mill Reach	0.015	0.034	
			Floodplain Soil	Allendale Floodplain	0.017		
			Floodplain Soil	Lyman Mill Floodplain	0.017	0.035	
			Soil	Source Area	0.017		
			Groundwater	Source Area	<b>0.00003</b>		<b>i.e. 30 pg/L</b>
			Fish Tissue	A & LM Reaches	0.0022	0.044	
Lower Duwamish Waterway <sup>2</sup>	Feb-13 <sup>3</sup>	Seattle, WA	Surface Sediment	site-wide		0.002	top 10 cm
			Surface Sediment	site-wide		0.037	top 45 cm
			Surface Sediment	clamming areas		0.013	top 45 cm
			Surface Sediment	individual beaches		0.028	top 45 cm
			Fish Tissue	site-wide		0.00035	may be adapted in the ROD
			Crab - meat			0.00053	
			Crab - whole body			0.002	
			Clams			0.00071	
Diamond Alkali <sup>2</sup>	Apr-14 <sup>3</sup>	Essex & Hudson Counties NJ	Sediment	Lower 8 Miles of the Lower Passaic River	0.0071		based on 56 fish meals per year

- NOTES:** 04/13/98, EPA released non-cancer toxicity value for dioxin = 5 to 20 ppb in commercial/industrial soil screening  
02/17/12, EPA released non-cancer toxicity value for dioxin = 0.018 to 0.6 ppb in commercial/industrial soil screening  
1 Final Long-Term Monitoring and Reporting Plan specific to Olympic View Resource Area  
2 Levels shown are Proposed Remediation Goals (PRGs)  
3 Proposed Plan